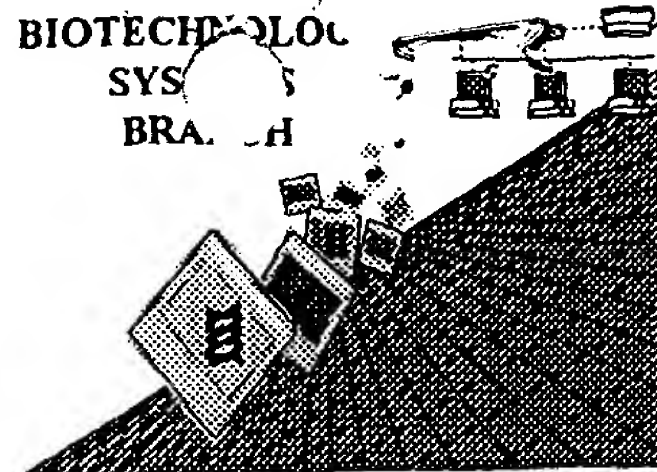


## **RAW SEQUENCE LISTING** **ERROR REPORT**



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/647,377

Source: PCT 09

Date Processed by STIC: 4-4-01

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

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### **Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

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PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/647,377

DATE: 04/04/2001

TIME: 11:37:32

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3 &lt;110&gt; APPLICANT: ROSENTHAL, ANDRE et al.

5 &lt;120&gt; TITLE OF INVENTION: Nucleic Acid Molecules encoding proteins which influence bone development

7 &lt;130&gt; FILE REFERENCE: 0147-0211P

C--&gt; 9 &lt;140&gt; CURRENT APPLICATION NUMBER: US/09/647,377

C--&gt; 10 &lt;141&gt; CURRENT FILING DATE: 2000-09-27

12 &lt;150&gt; PRIOR APPLICATION NUMBER: DE 198 13 799.0

13 &lt;151&gt; PRIOR FILING DATE: 1998-03-27

15 &lt;160&gt; NUMBER OF SEQ ID NOS: 21

17 &lt;170&gt; SOFTWARE: PatentIn Ver. 2.1

Does Not Comply  
Corrected Diskette Needed  
pp. 1, 6

## ERRORED SEQUENCES

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317 &lt;211&gt; LENGTH: 260

318 &lt;212&gt; TYPE: DNA

319 &lt;213&gt; ORGANISM: Mus musculus

321 &lt;400&gt; SEQUENCE: 4

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323 1 5 10 15

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326 20 25 30

328 Gly Leu Pro Val Asp Phe Ser Ser Ala Gly Ala Leu Asn Met Ala Leu

329 35 40 45

331 Tyr Phe Cys Ser Gly Leu Leu Gln Asp Pro Ala Gln Phe Arg His Tyr

332 50 55 60

334 Ala Leu Asn Val Pro Leu Tyr Thr His Phe Thr Ser Pro Ile Arg Arg

335 65 70 75 80

337 Phe Ala Asp Val Leu Val His Arg Leu Leu Ala Ala Ala Leu Gly Tyr

338 85 90 95

340 Arg Glu Arg Leu Asp Met Ala Pro Asp Thr Leu Gln Lys Gln Ala Asp

341 100 105 110

343 His Cys Asn Asp Arg Arg Met Ala Ser Lys Arg Val Gln Glu Leu Ser

344 115 120 125

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350 145 150 155 160

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353 165 170 175

355 Leu Arg Ser His His Phe Gln Lys Val Gly Lys Lys Pro Glu Leu Thr

356 180 185 190

358 Leu Val Trp Glu Pro Glu Asp Met Glu Gln Glu Pro Ala Gln Gln Val

359 195 200 205

361 Ile Thr Ile Phe Ser Leu Val Glu Val Val Leu Gln Ala Glu Ser Thr

362 210 215 220

364 Ala Leu Lys Tyr Ser Ala Ile Leu Lys Arg Pro Gly Thr Gln Gly His

Amino acids are to be  
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## RAW SEQUENCE LISTING

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368          245          250          255
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E--> 371          260
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10298 agatgagtgc tggagaagt cccaggtcag ggagagagga gctggggctc ctaaggagag 9780
10299 gccatcttct ctgcctgttt ctccctccatt ctactcccaa acctaccct ttctctttat 9840
10300 cagagaaagg cccggagtta gggctgagcc agttctgtgg cagcctgaag caggctgccc 9900
10301 cagccatcca ggctgtgtg gaagcctgca acctcattgc ctgtgcccgg caccagcaga 9960
10302 gtcactttga caatgtaagc tgagtcaggg tgggggtggag gtggagtgag tacctgggct 10020
10303 tggaaacctg atagagacag gatgagtggg gttgccaaga tagggcagtg ggatggaaaa 10080
10304 acatgaggcc ggggtgcagt ggtcacacct gtaatccag tactttggga ggccgaggcg 10140
10305 agtggatcac ctgaggtcag gagtgtgaga ccagcctggc caacatggca aaacctatc 10200
10306 tttaacaaaa atacaaaaaa taccaaaaat tagctgggtg tgggtggcggg cacctgtatt 10260
10307 cccagctact caggaggctg aggcaggaga attgcttgaa cctgggaggc ggaggttgca 10320
10308 gtgagccaag ccaagatcgc accactgcac tctggcctgg gtgaaagagt gagacgtgag 10380
10309 actccgtctc aaaaaaaaaa aaaaggaaag aaagaaagaa aaaggaacag gggcaggggg 10440
10310 ggcacctcag ggccaggggg ccatggaatt agccaccagt tgggacccgg acataggtaa 10500
10311 gaagggcccc aggaaatgga gacatgggac tgctggaagc ccaaggatga gaacaggacc 10560
10312 caggggaagc ctggtgcgc cgctggttat cccacacctg cctccacccc tcaggggaat 10620
10313 gaggagtggg tcctgggtgg ccgagtgtg gaccgcgtct gcttcctggc catgctctcg 10680
10314 ctcttcatct gtggcacagc tggcatcttc ctcatggccc actacaaccg ggtgccggcc 10740
10315 ctgccattcc ctggagatcc acgcccctac ctgccctcac cagactgagc caaccaacca 10800
10316 ctgtggggca tgtgggagtc acacacgtgg gtcacactga gtcttatcag ccacgttctc 10860
10317 ctactgaggt cctaagtgtg ctctttggga agtgcccttc aggactgtgt gagccaaaca 10920
10318 gccctgagaa aagctgggga aacagtctga gctggagtcc gagagtgggt ggggggtggg 10980
10319 cgtggctagt gtcctgctgc agtcagcaca cacgtgggat tggctagctc atcctggcac 11040
10320 cagccacccc tccactcagt gcactccctc cacttaggca aagcattatt cattcccctc 11100
10321 agtctgaagc ccgaaggact gttttgtata ataccttcgg acttgggact ggctcccctt 11160
```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/647,377

DATE: 04/04/2001

TIME: 11:37:34

Input Set : N:\paola\PTO.txt

Output Set: N:\CRF3\04042001\I647377.raw

```
10322 ttacaagtgc tccctgaaag agggcagtc caagaggtgt gaagagtagc agccgatgct 11220
10323 ctctccaaag cagggcagca gcccatacca gctggcatct cccccccgtg ccttctgggt 11280
10324 acaataagca cccaattttc aacagcccca gtggcctttc cattcatgtg catttttctg 11340
10325 ccaactgacca caagacgatt tcctgagttt tgtaatcctc tttttttttt tttttttttt 11400
10326 agtttttgat gtgttggtgt tgttttgttt agttttgaga tagagcctca ctcttgatcat 11460
10327 gcaagttgga gtggagtggt atgatcatgg ctactgcag cctcaacctc cagggctcaa 11520
10328 gcaatgctcc tgcctcagcc tccaagtag ctggcaccac aggcattgcac cactacaccc 11580
10329 agctactttt aaatttttag tagagatgag gttttgctat gttgcctagg ttggtcttga 11640
10330 actcctgagc tcaagtgatc ctcccacttg agtcttgga ttacaggcat aagccactgt 11700
10331 acctggcctc ctttttaatt aagagctcct cacagcagta tggataagca agagtcatta 11760
10332 ttcccatgt tatataggca aattgagcct agagtaagcg ggactccaca caacagtgg 11820
10333 ggtttaaaca ggtttgaagt ccagaattc 11849
```

E--&gt; 10336 1

E--&gt; 10338 2

→ Delete extraneous numerals at the end of the file. They are causing an invalid base count error for seq. # 21.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/647,377

DATE: 04/04/2001

TIME: 11:37:35

Input Set : N:\paola\PTO.txt

Output Set: N:\CRF3\04042001\I647377.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:371 M:252 E: No. of Seq. differs, <211>LENGTH:Input:260 Found:0 SEQ:4

L:10336 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:11849 SEQ:21

M:254 Repeated in SeqNo=21